

FIG. 1

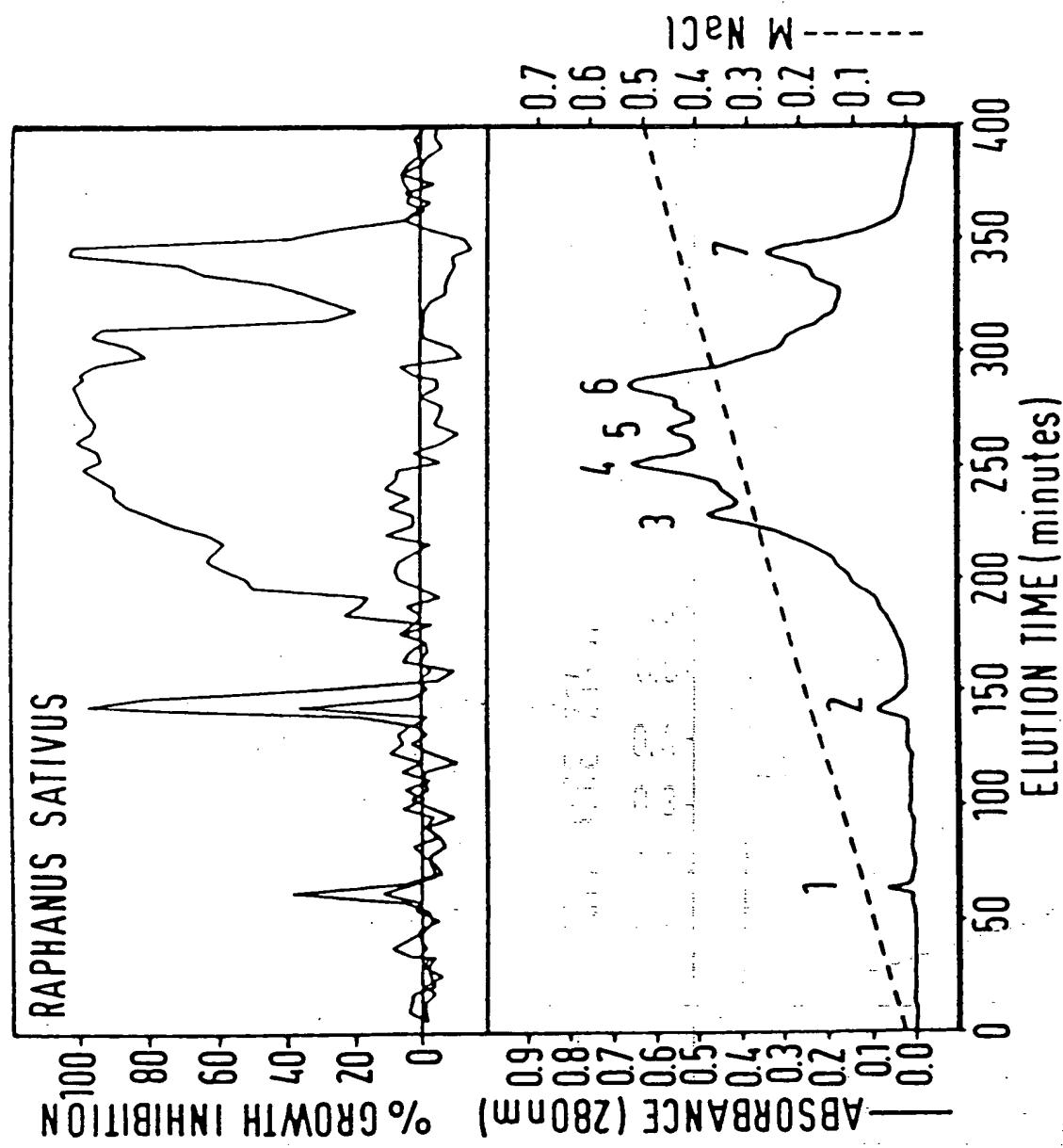


FIG. 2A

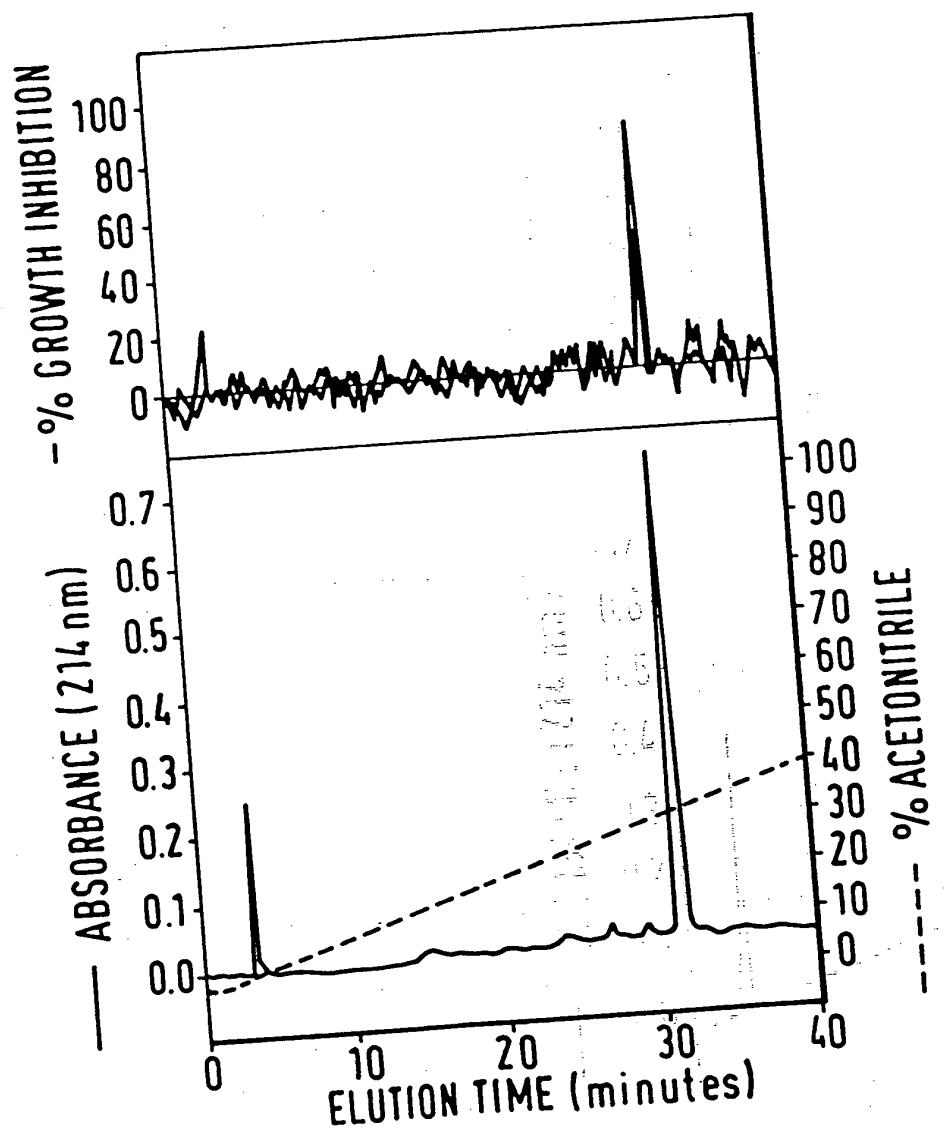
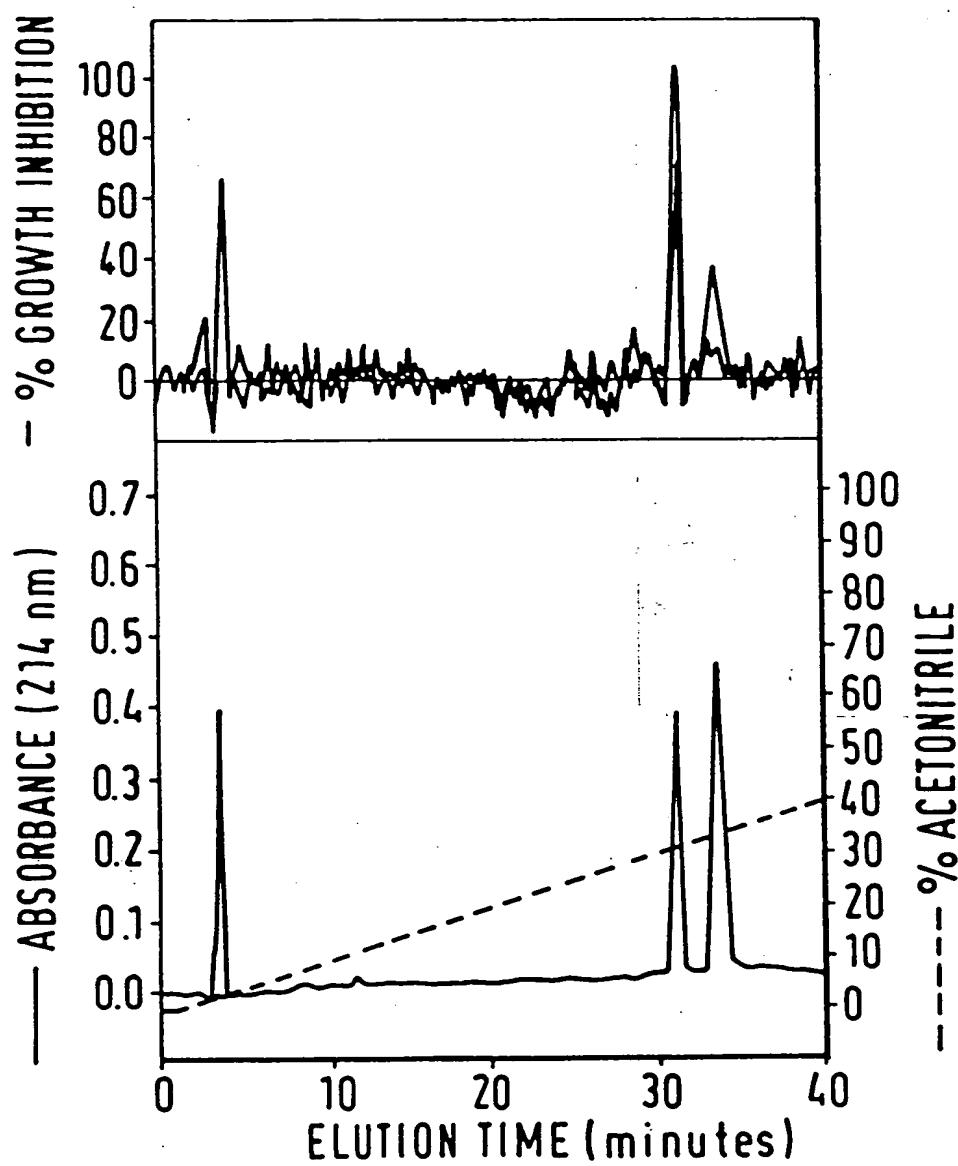
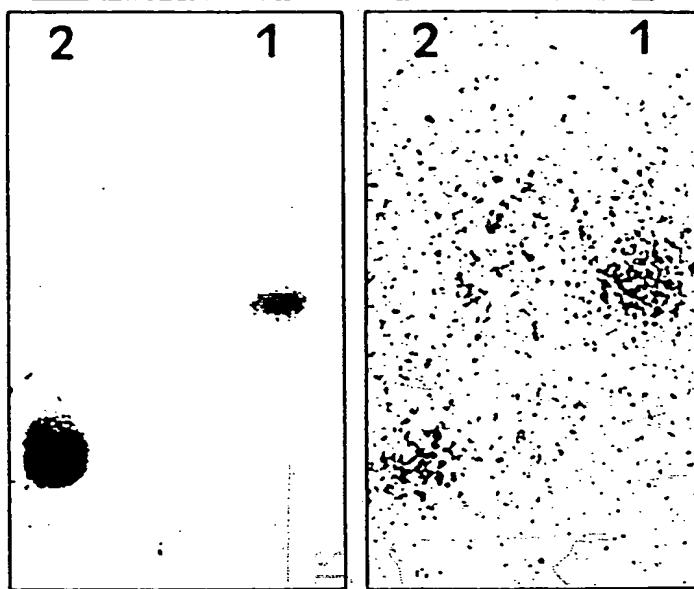


FIG. 2B



*FIG. 3*

Protein      Activity



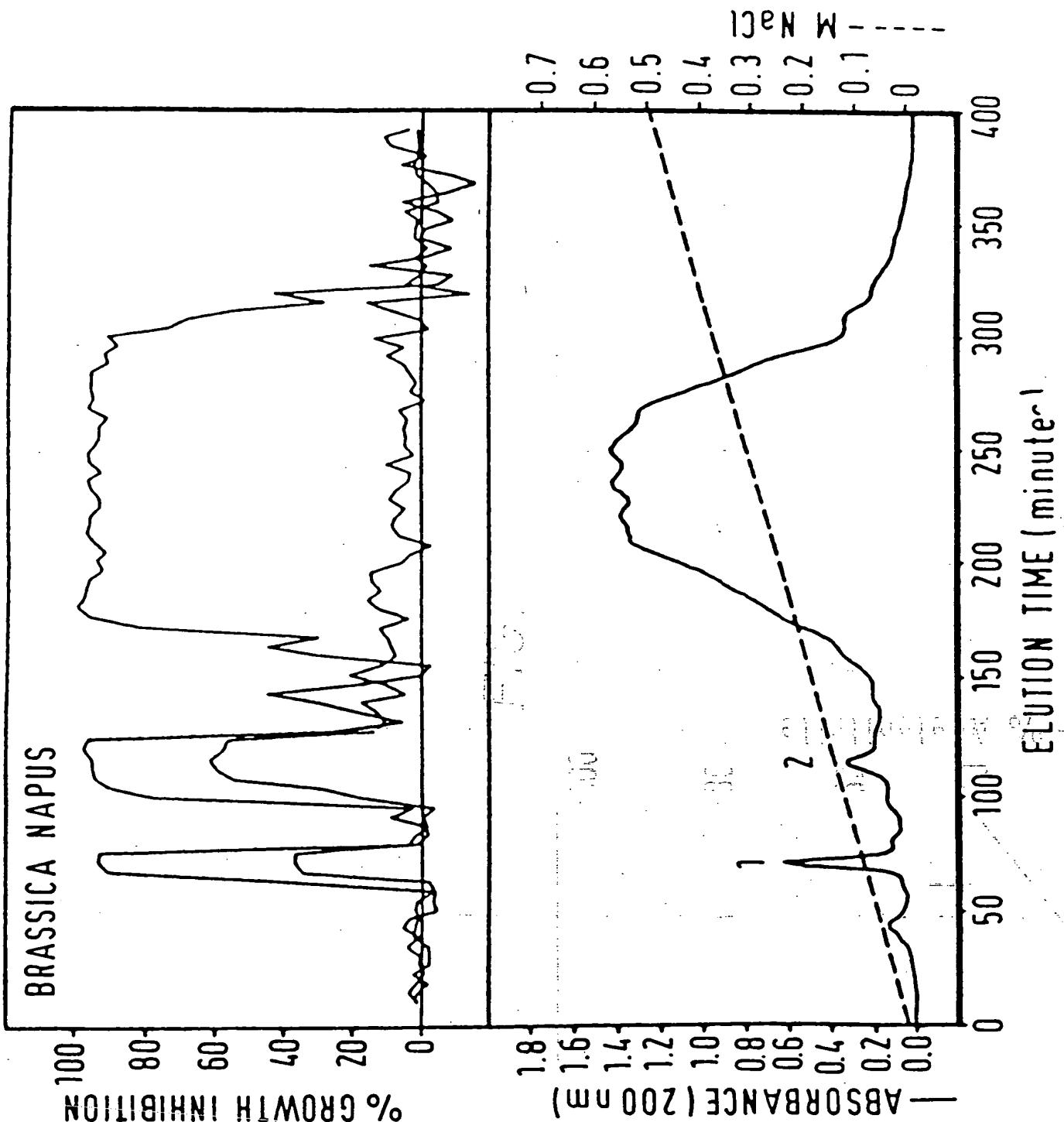
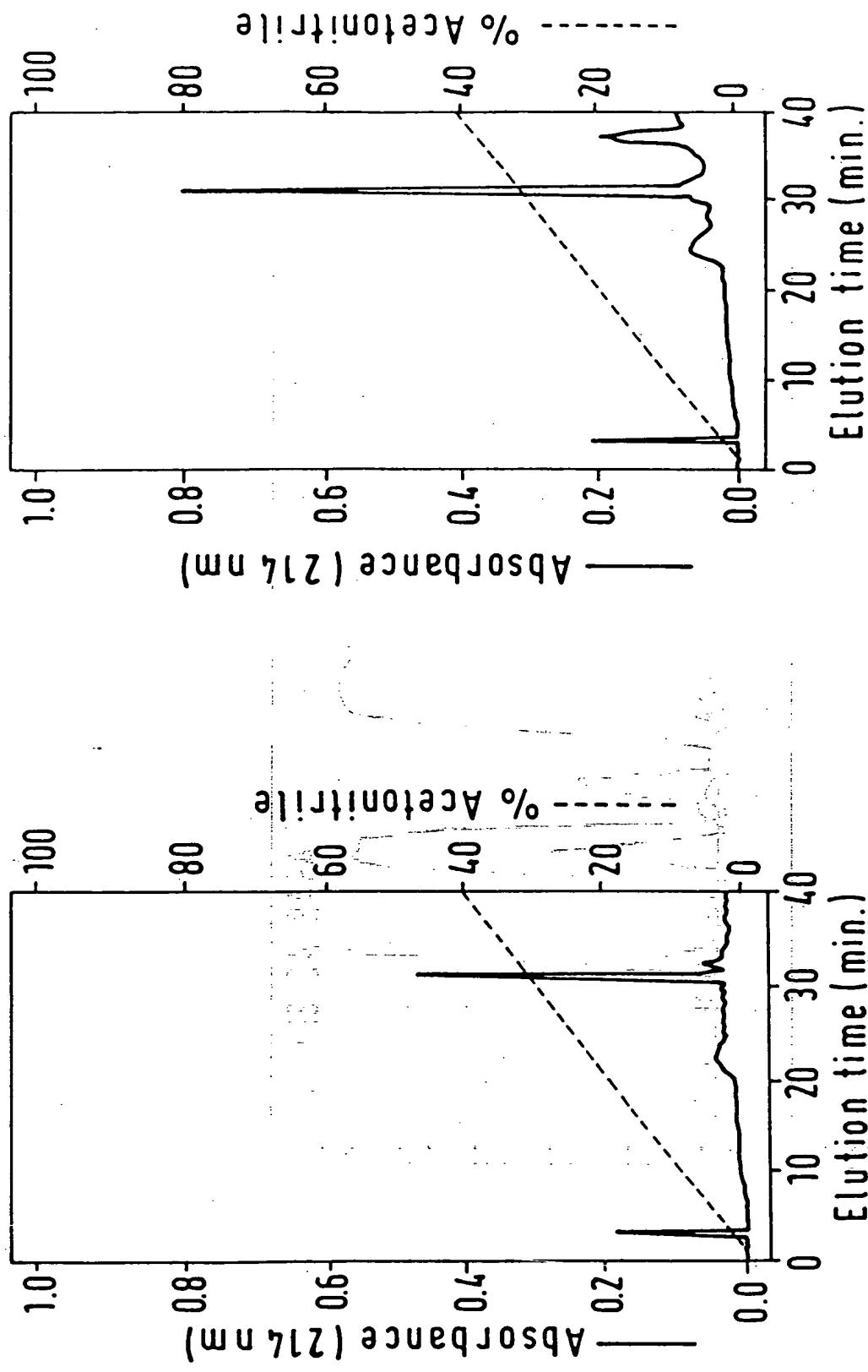
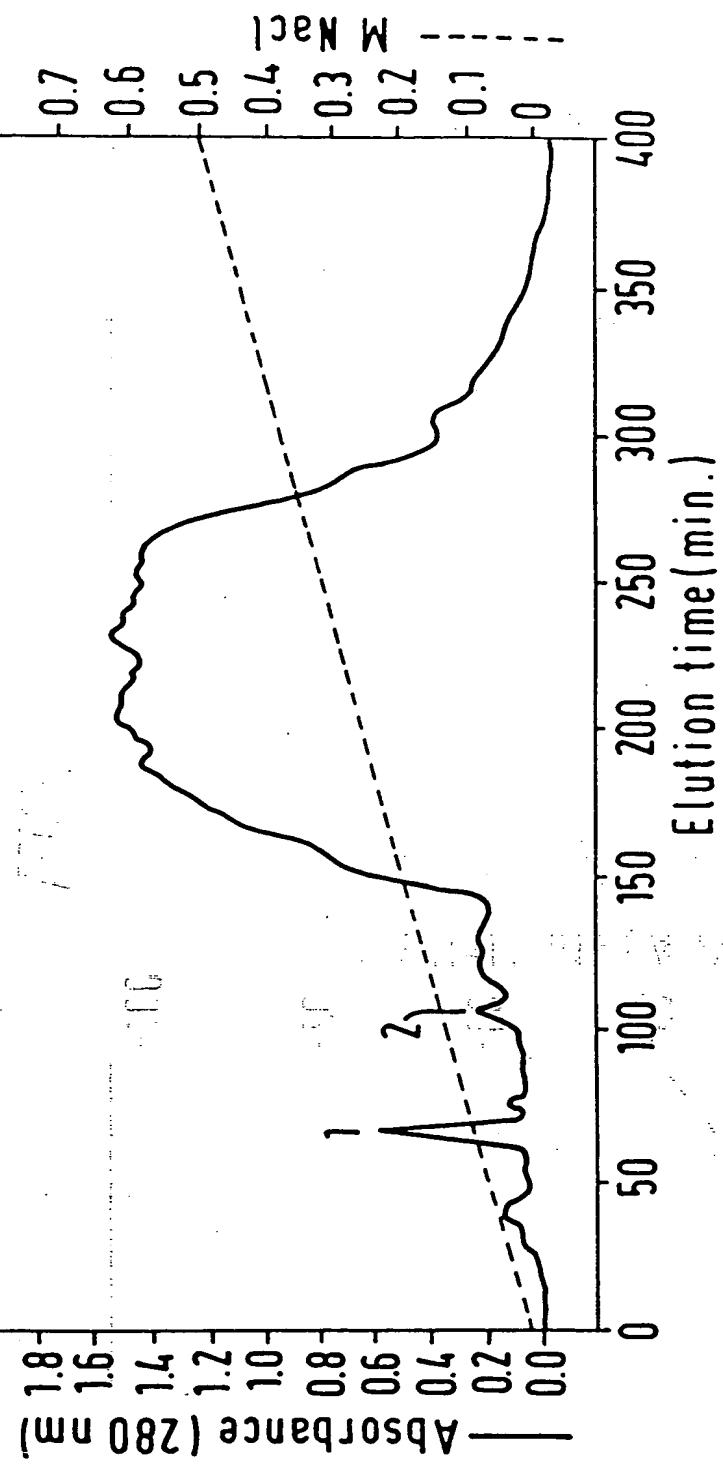
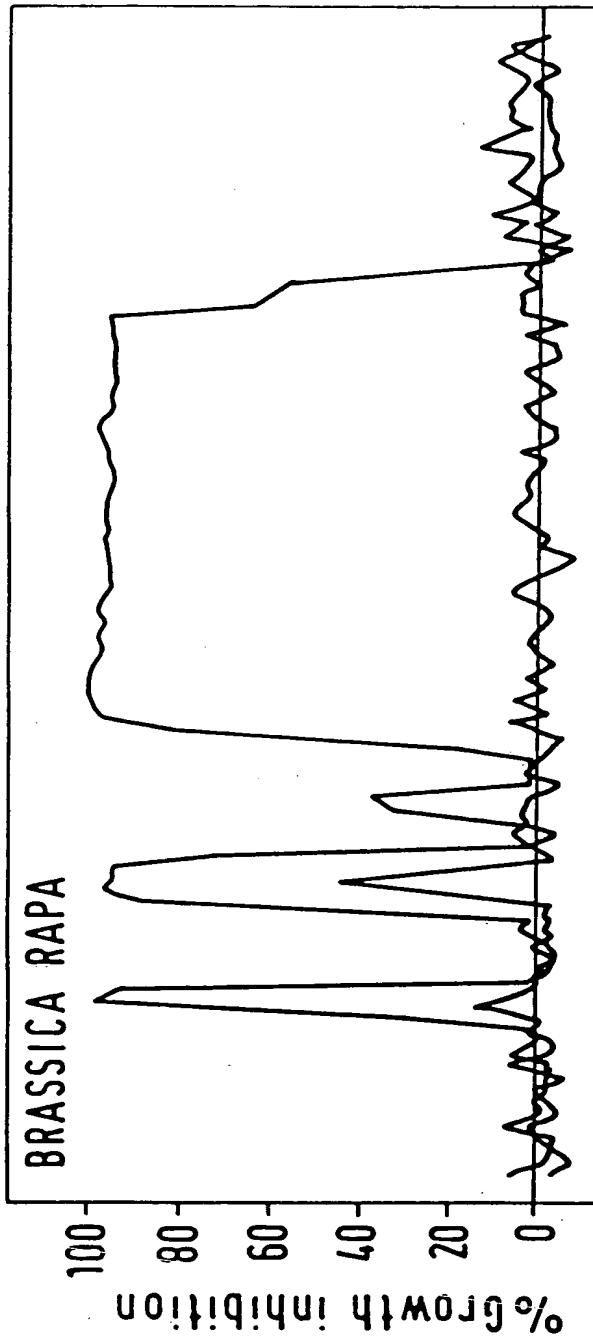


FIG. 4

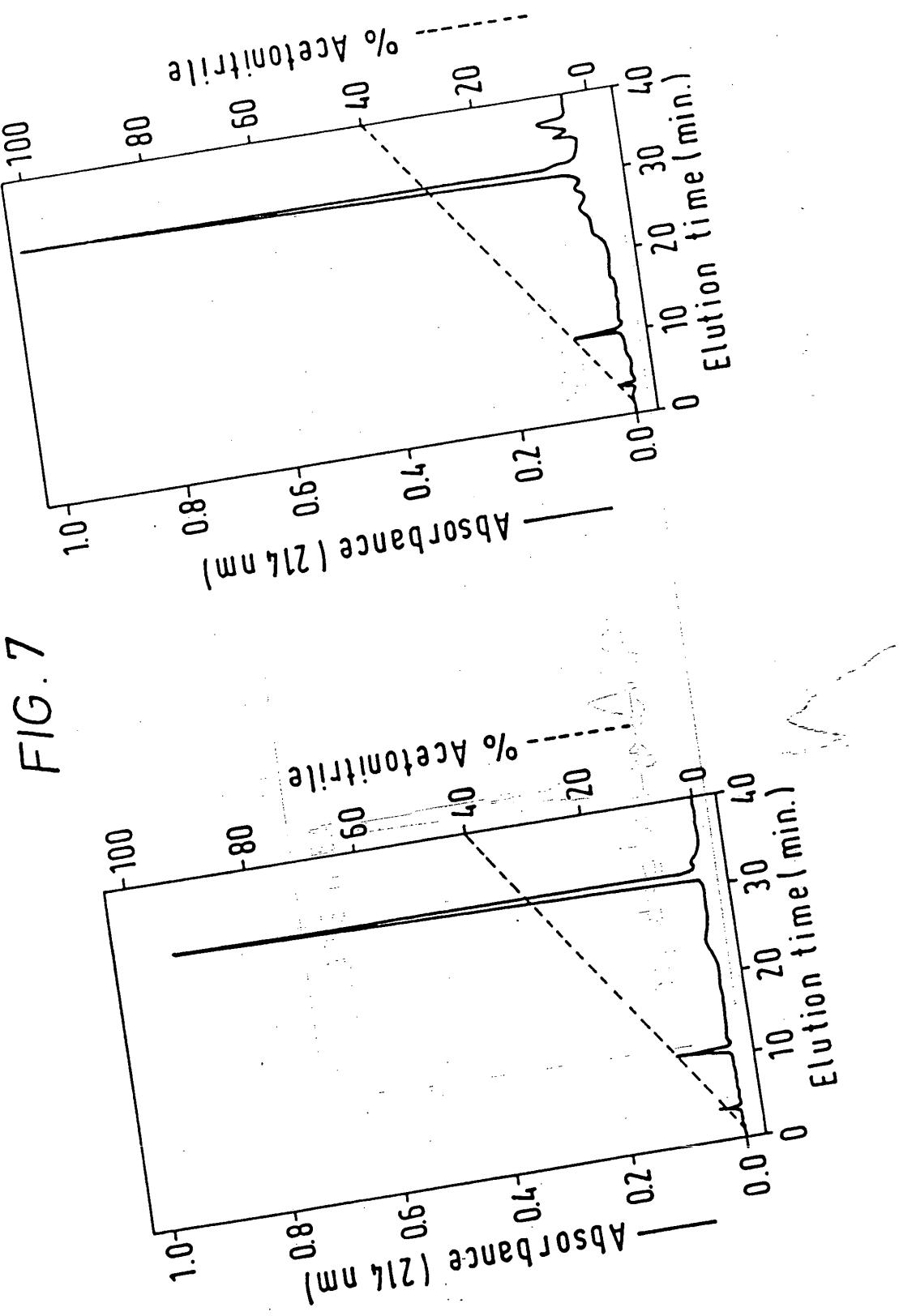
FIG. 5





**FIG. 6**

FIG. 7



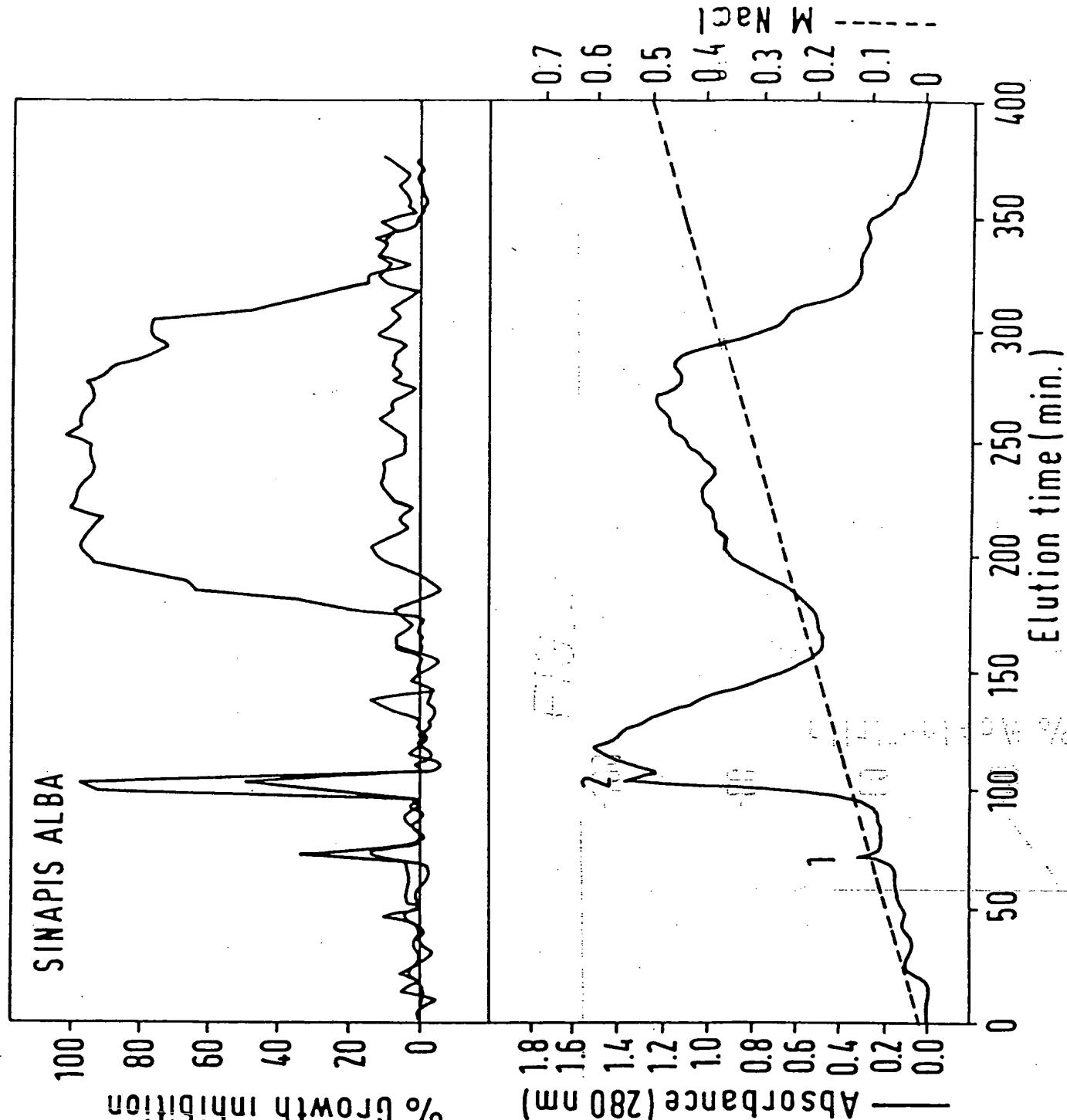


FIG. 8

FIG. 9

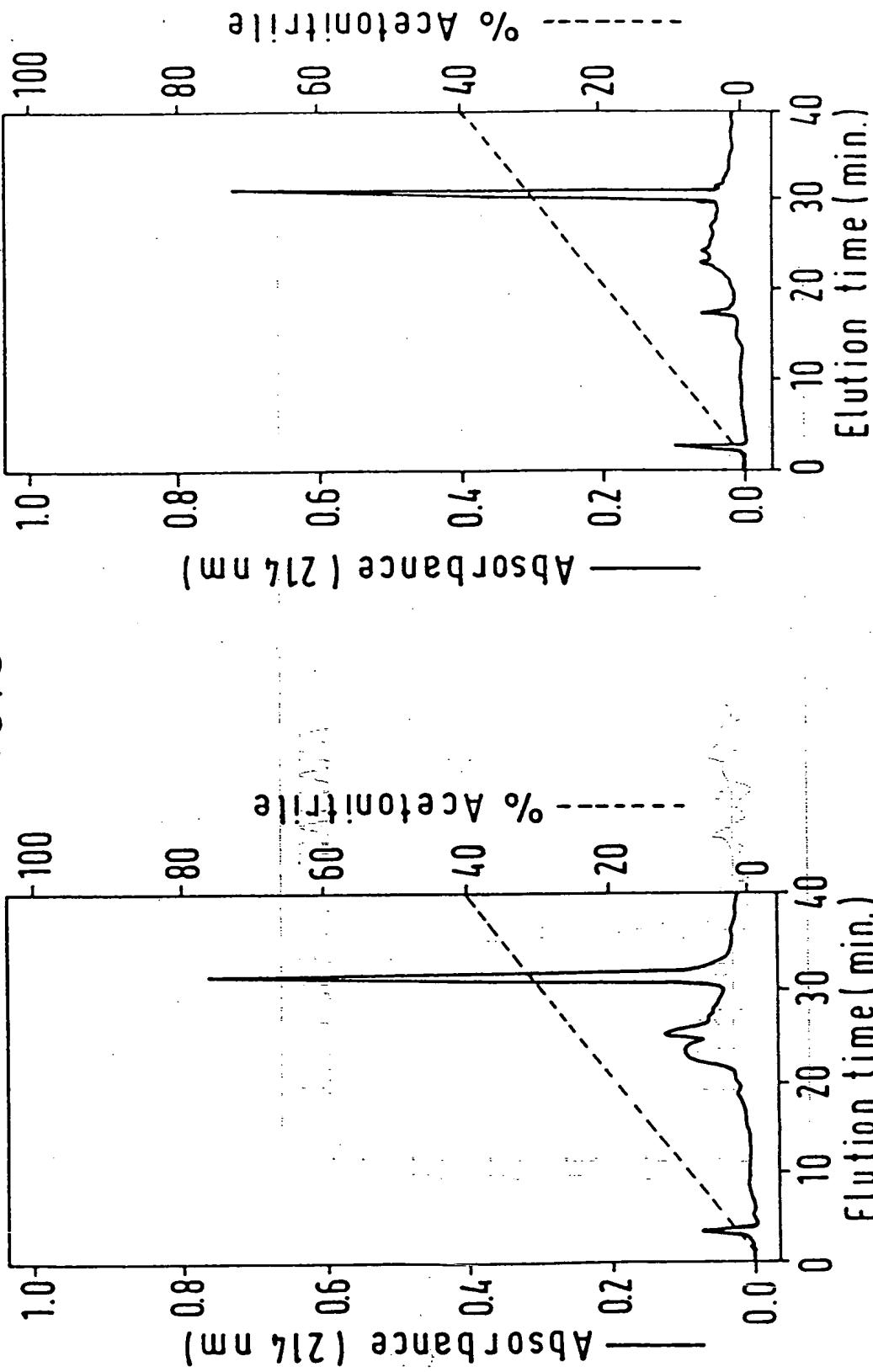
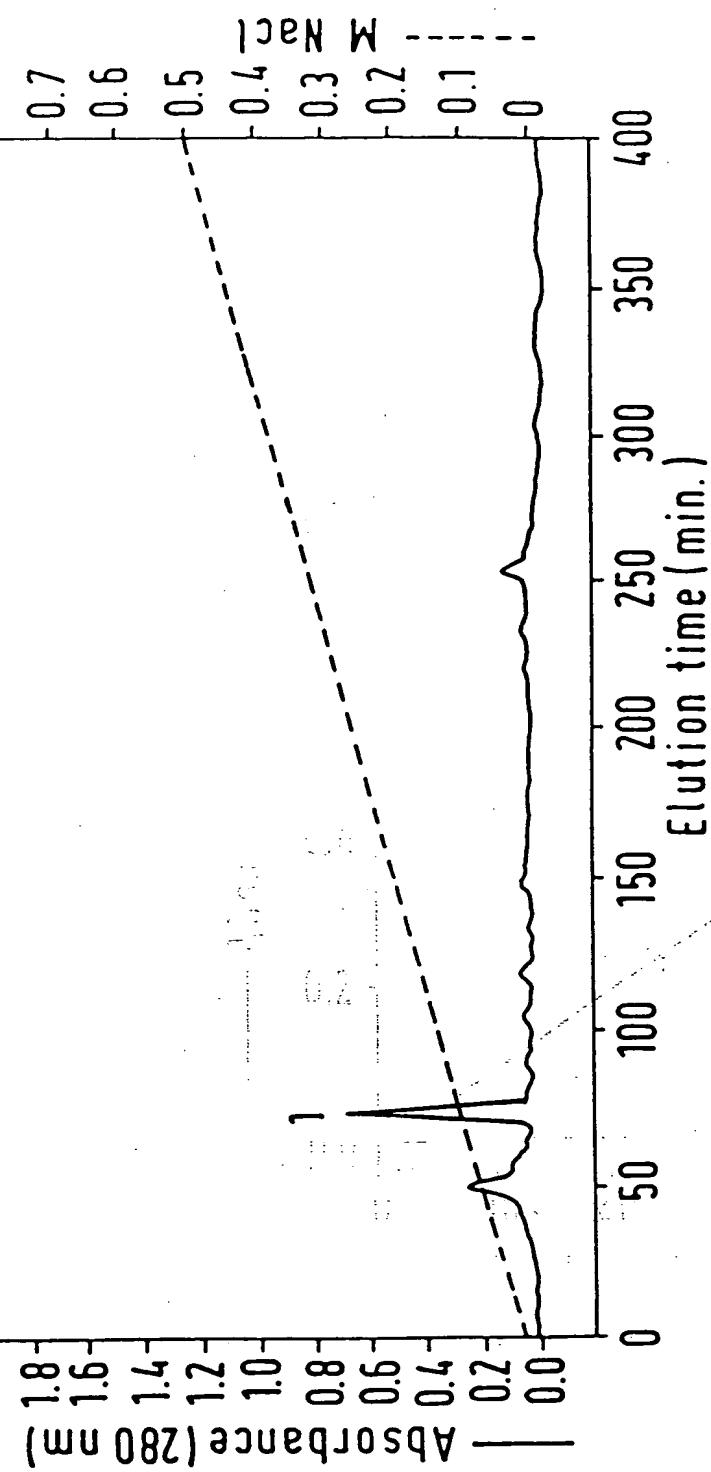
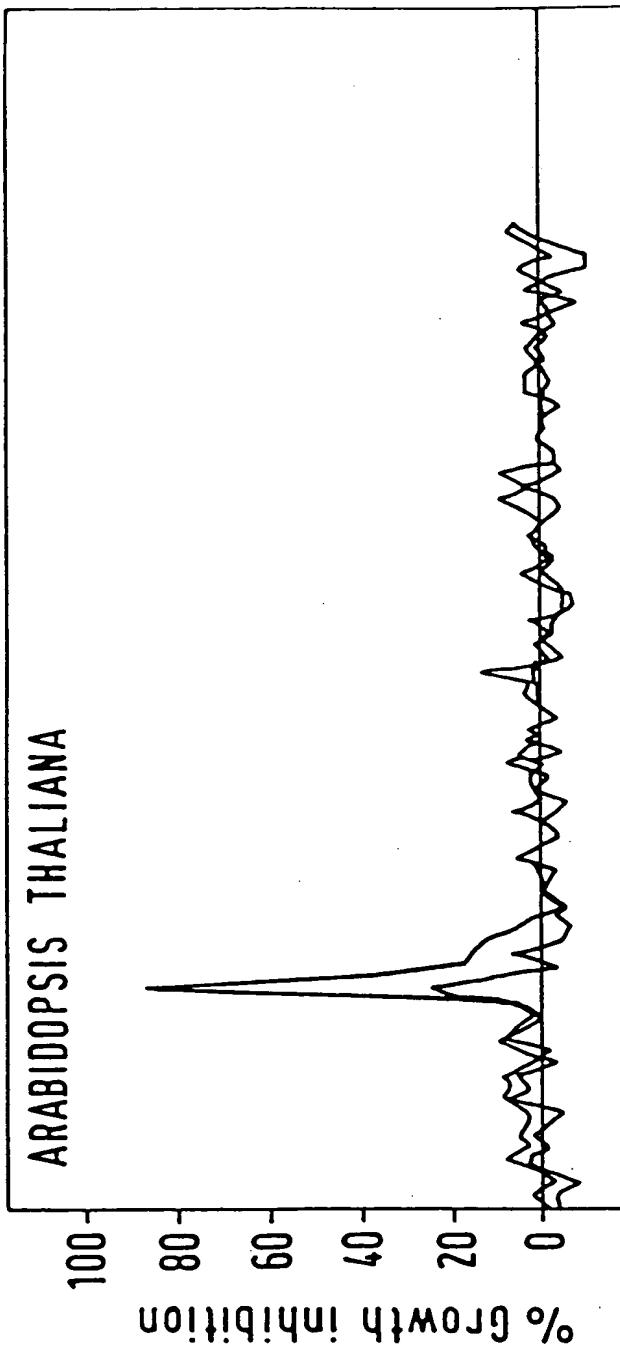


FIG. 10



2

FIG. 11

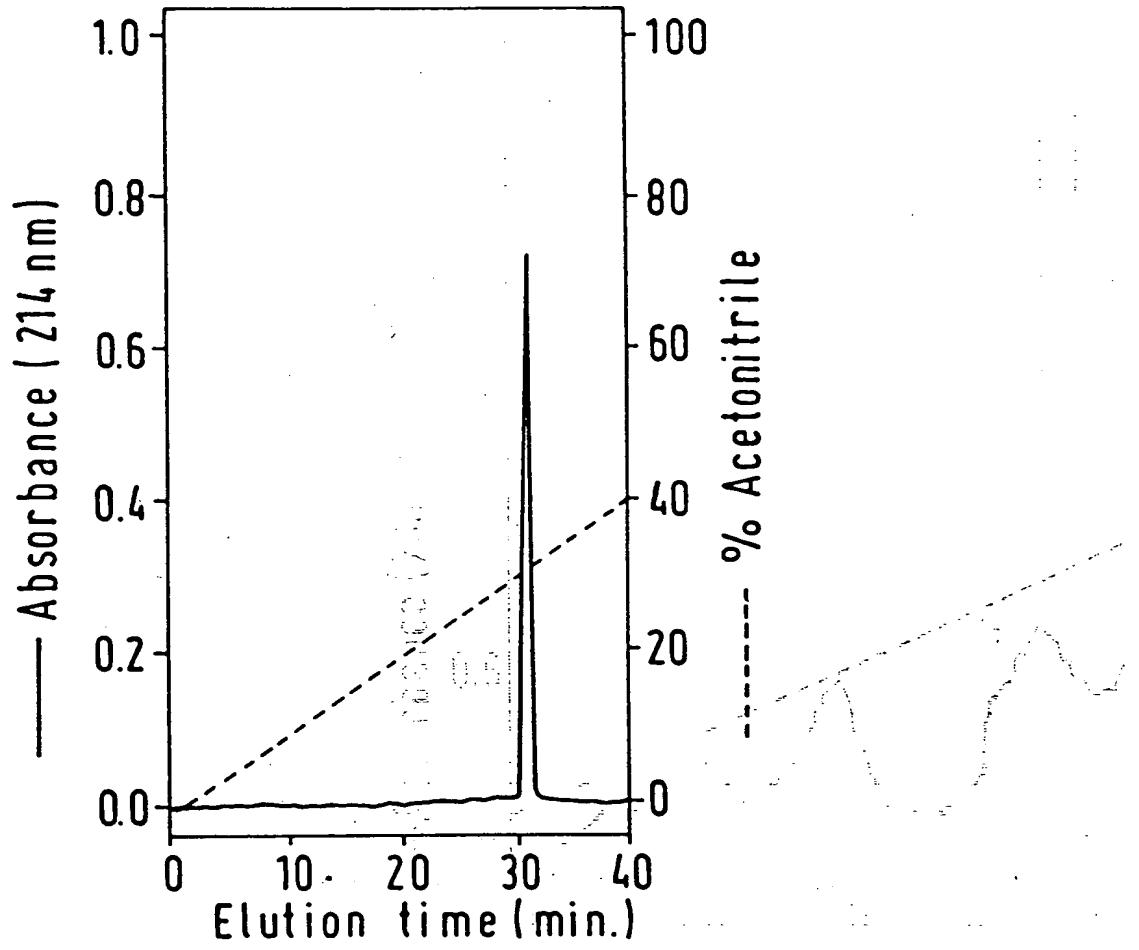


FIG. 12

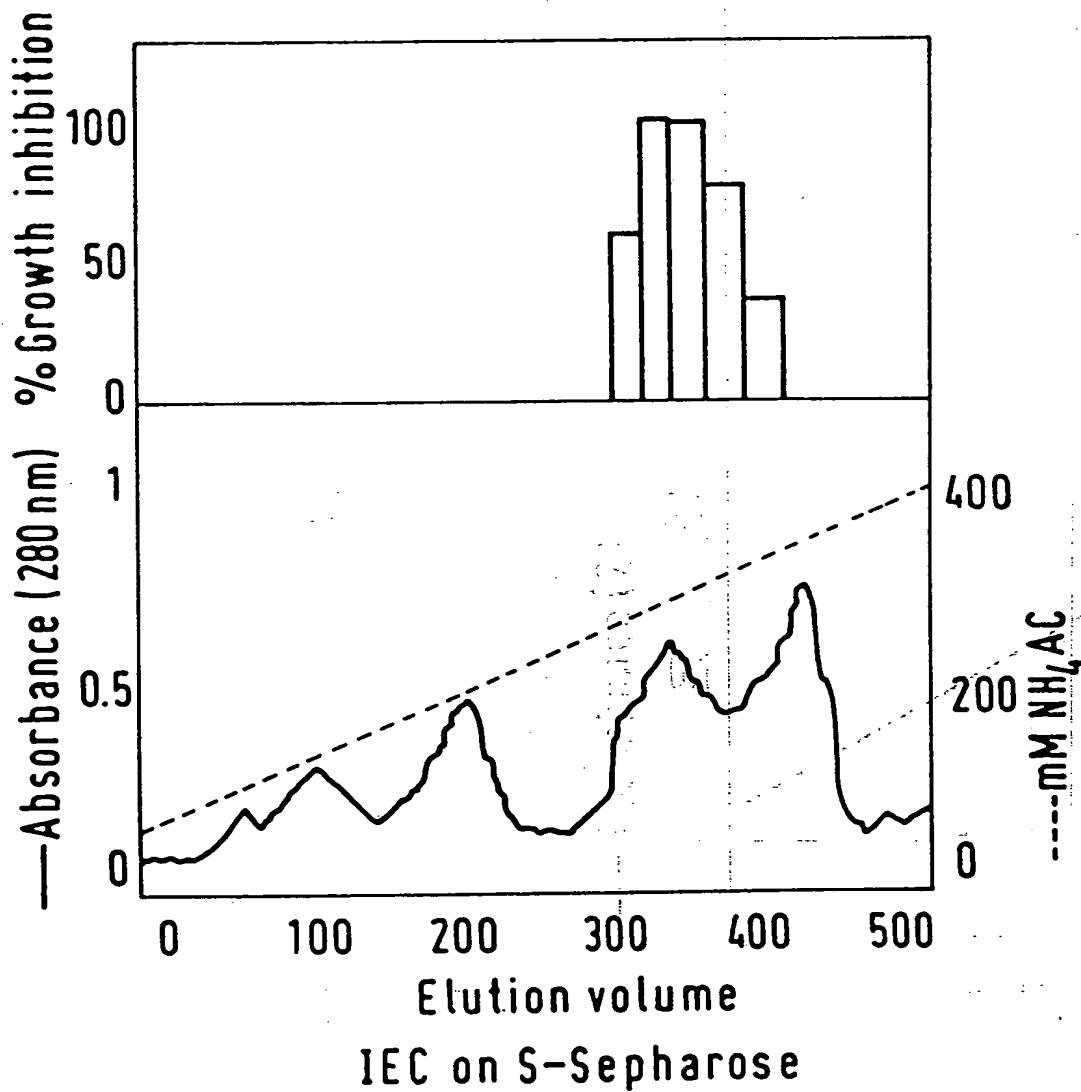


FIG. 13

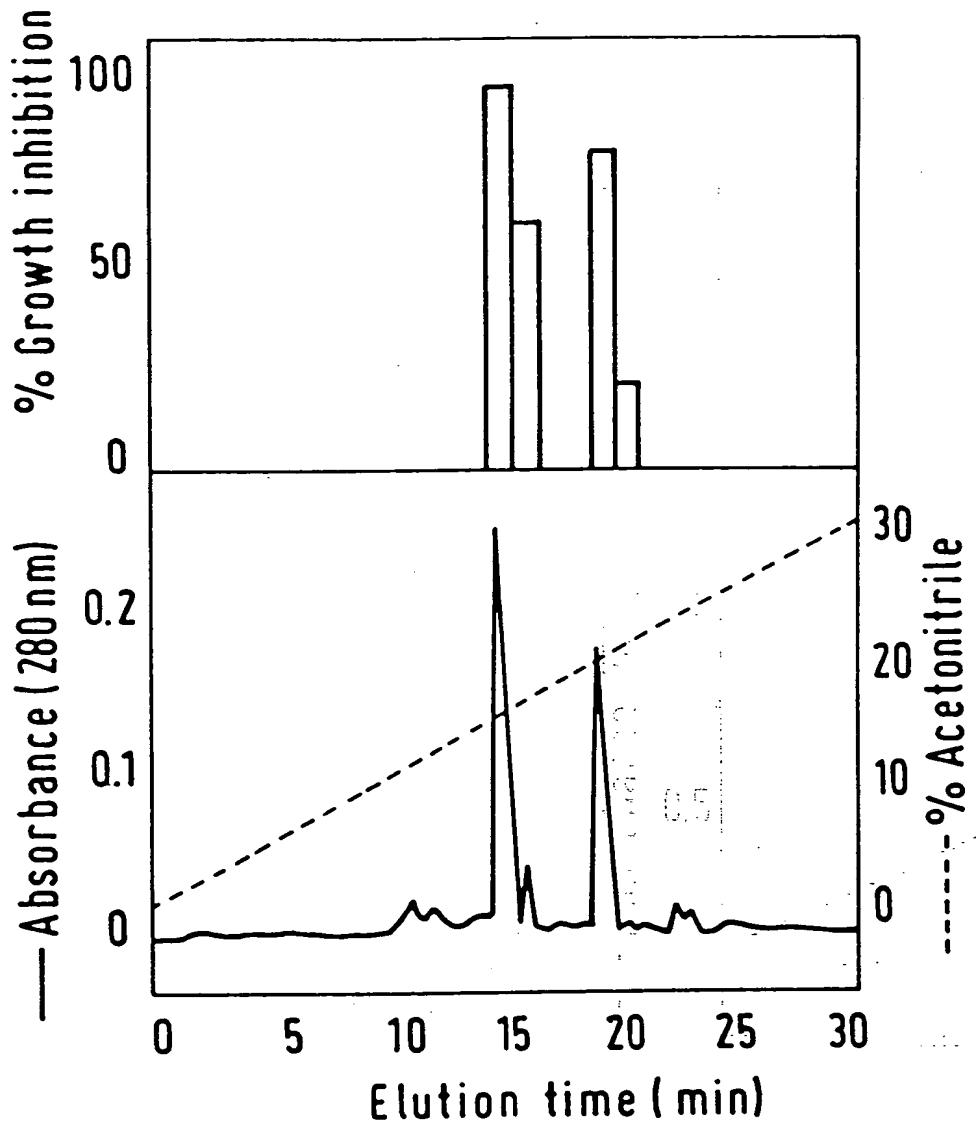


FIG. 14

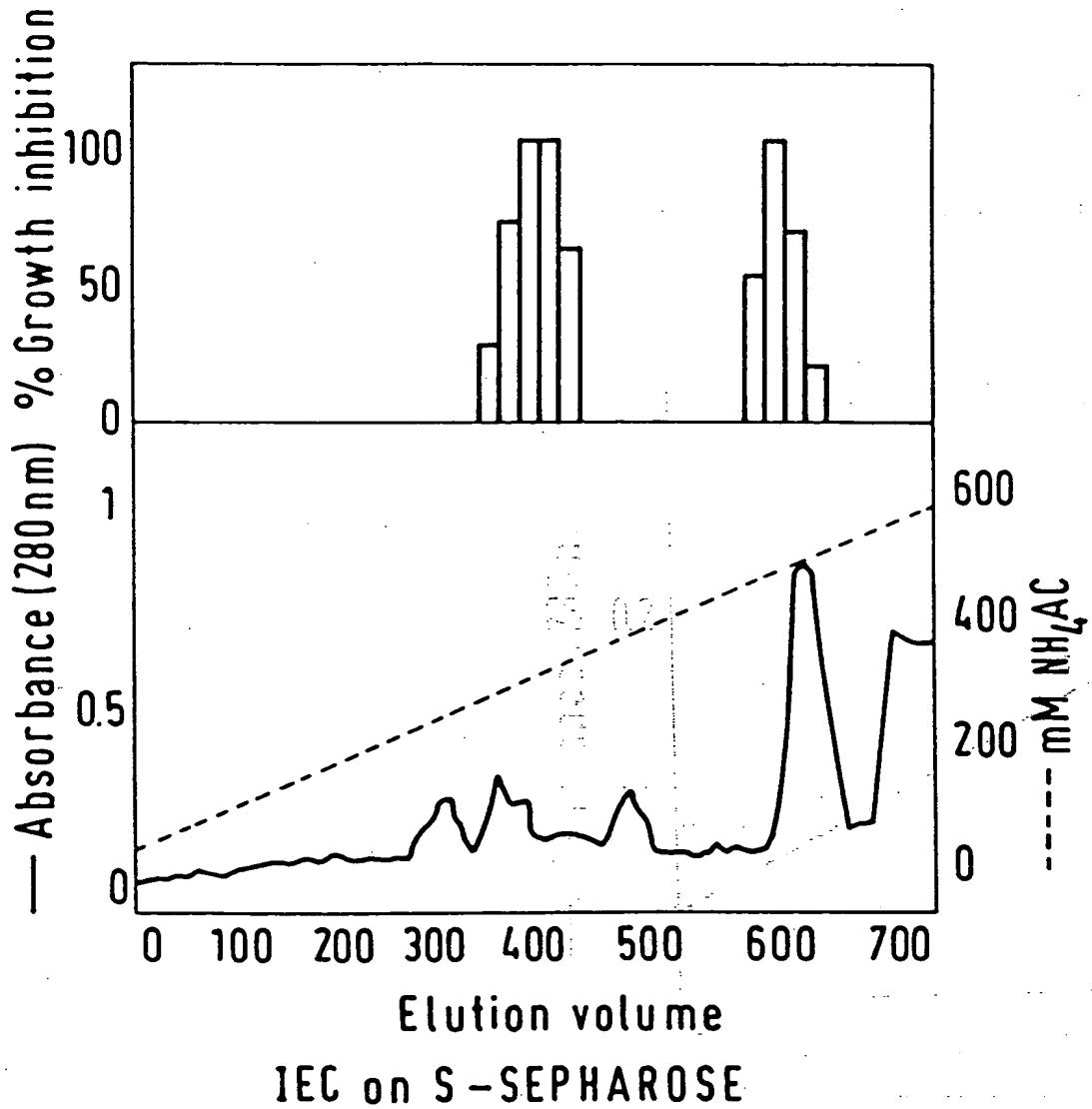


FIG. 15

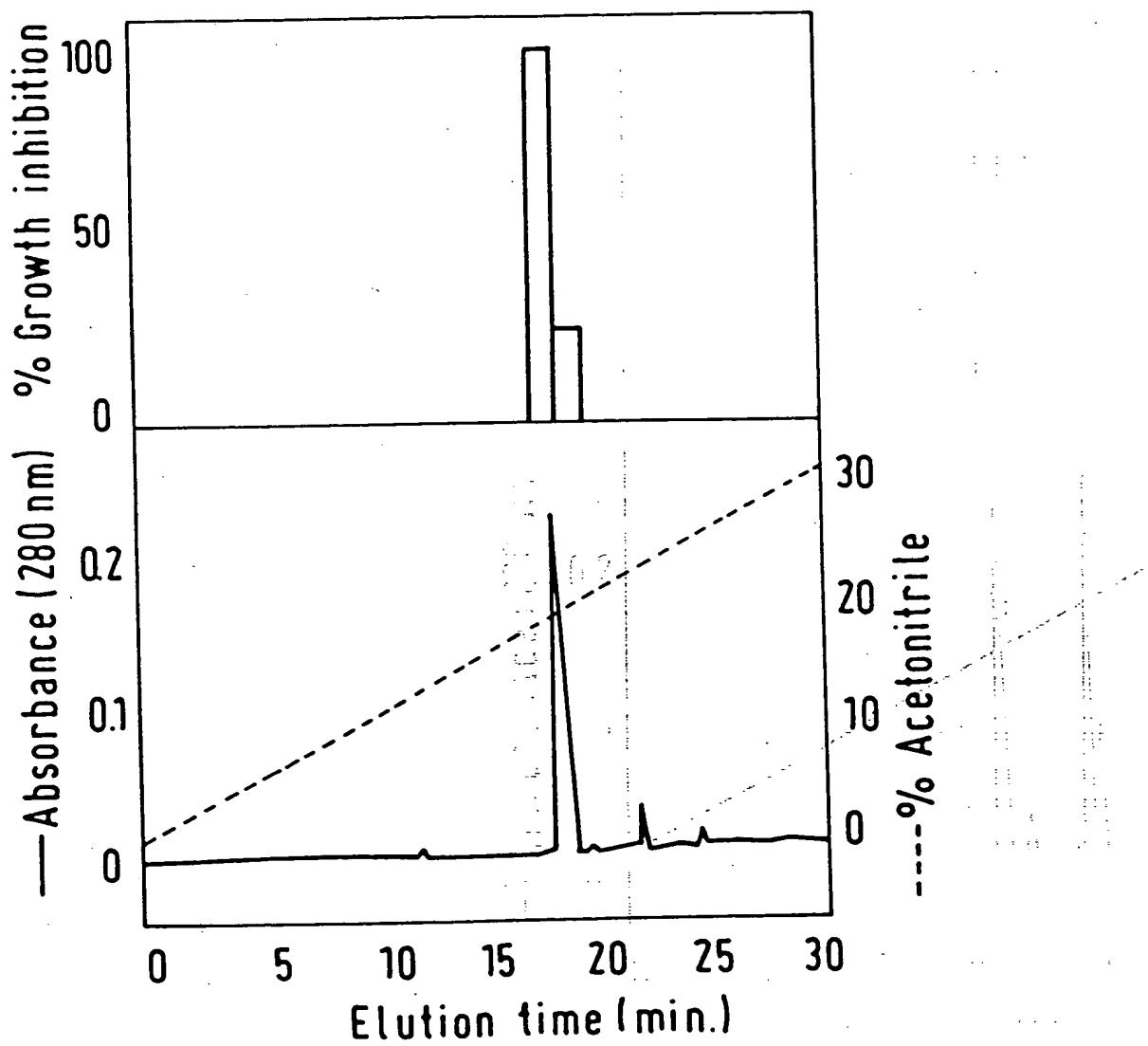


FIG. 16

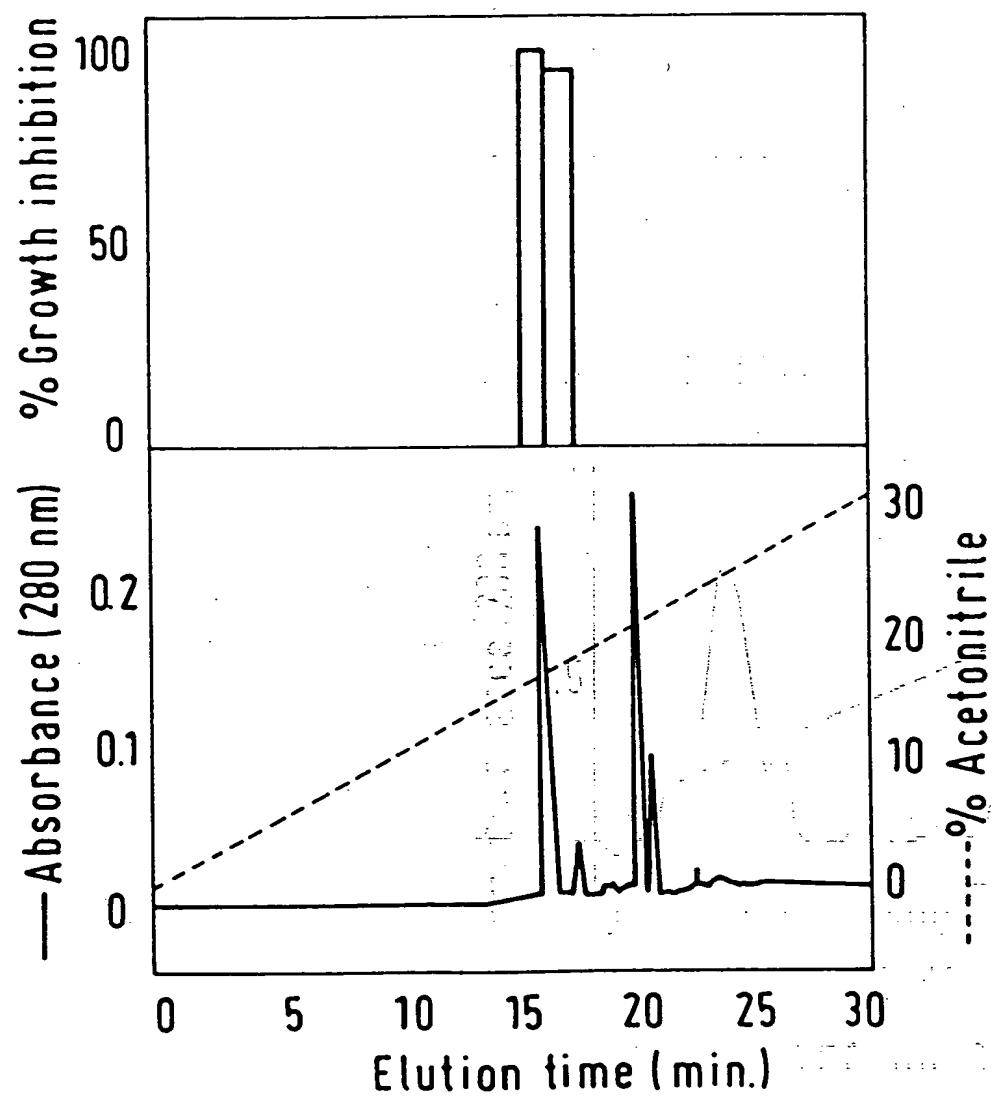
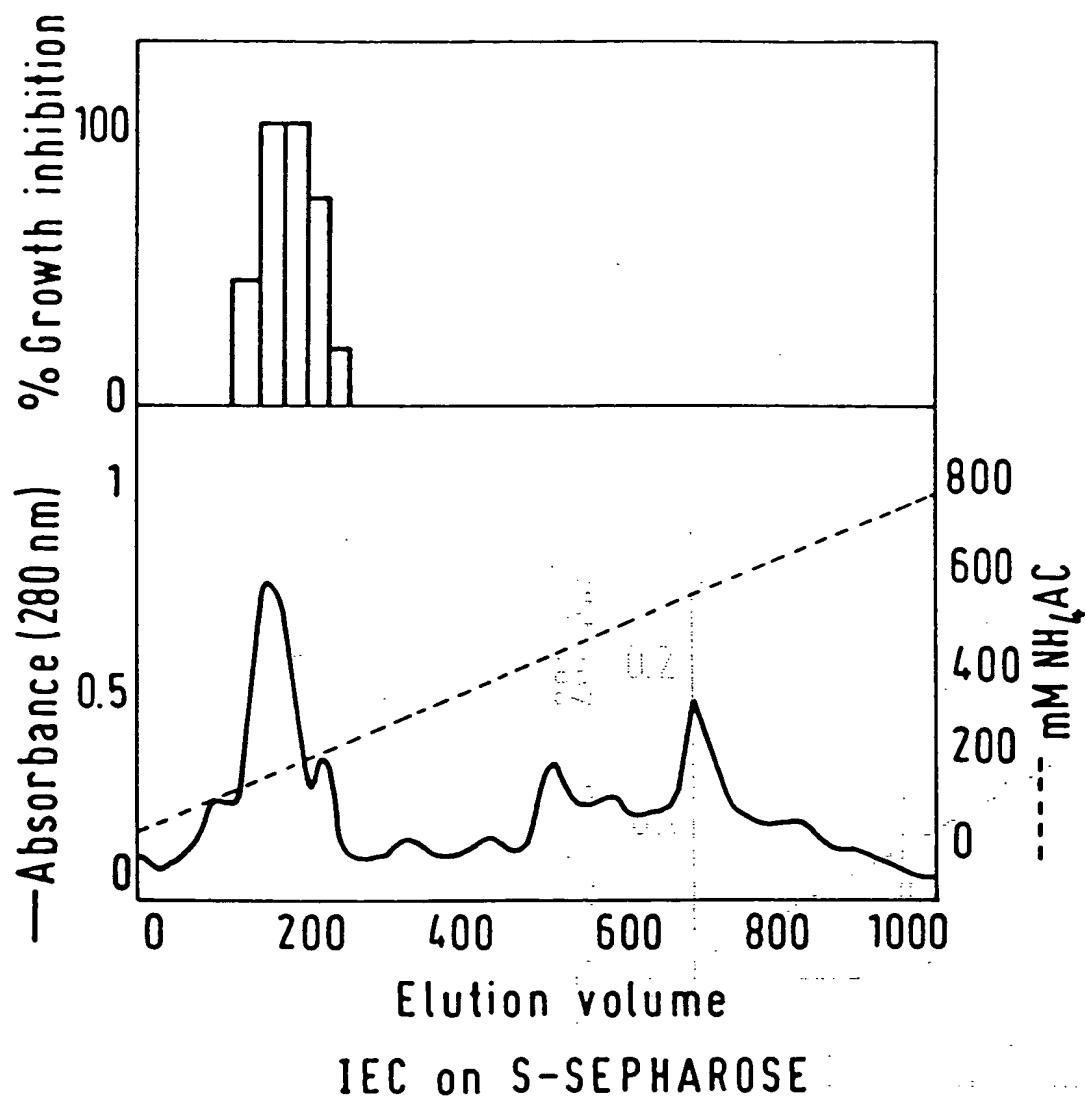


FIG. 17



*FIG. 18*

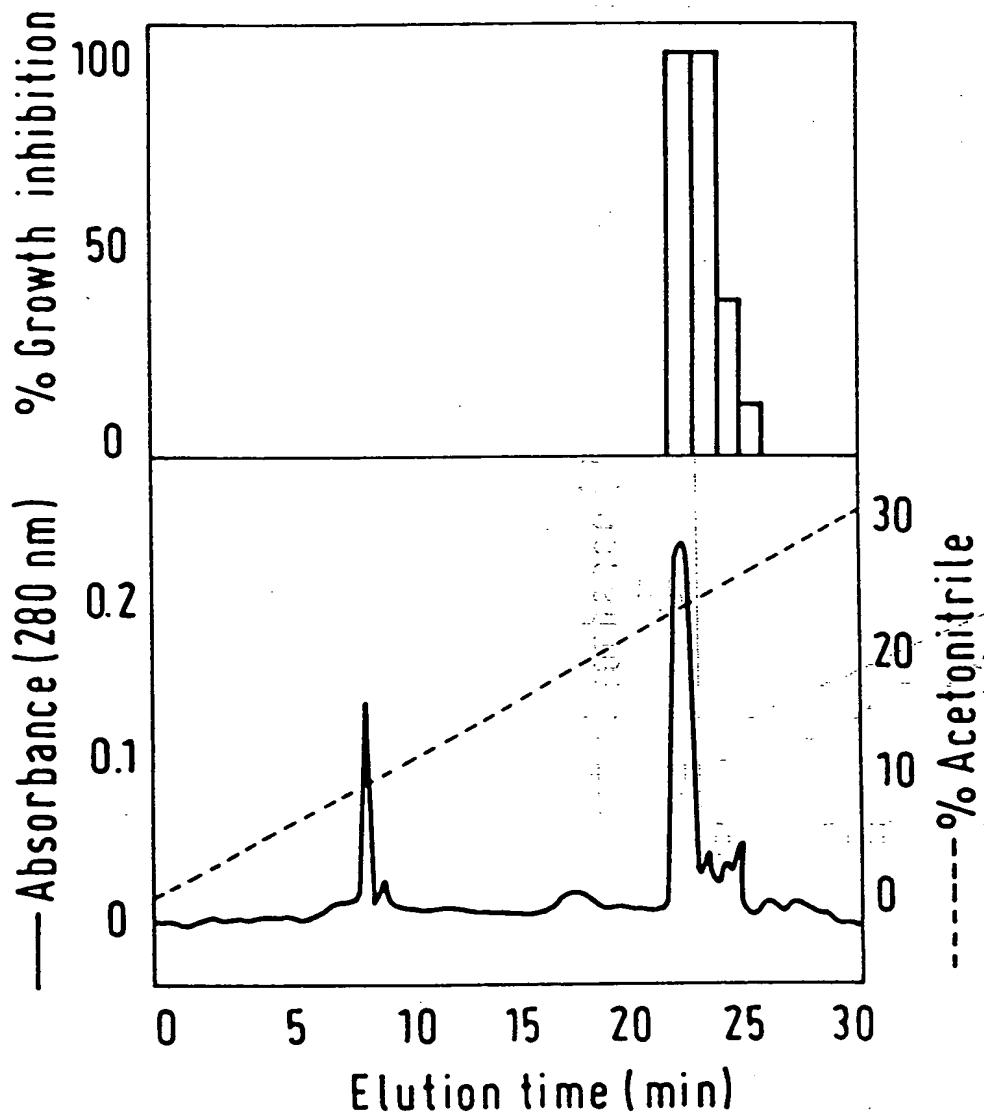


FIG. 19

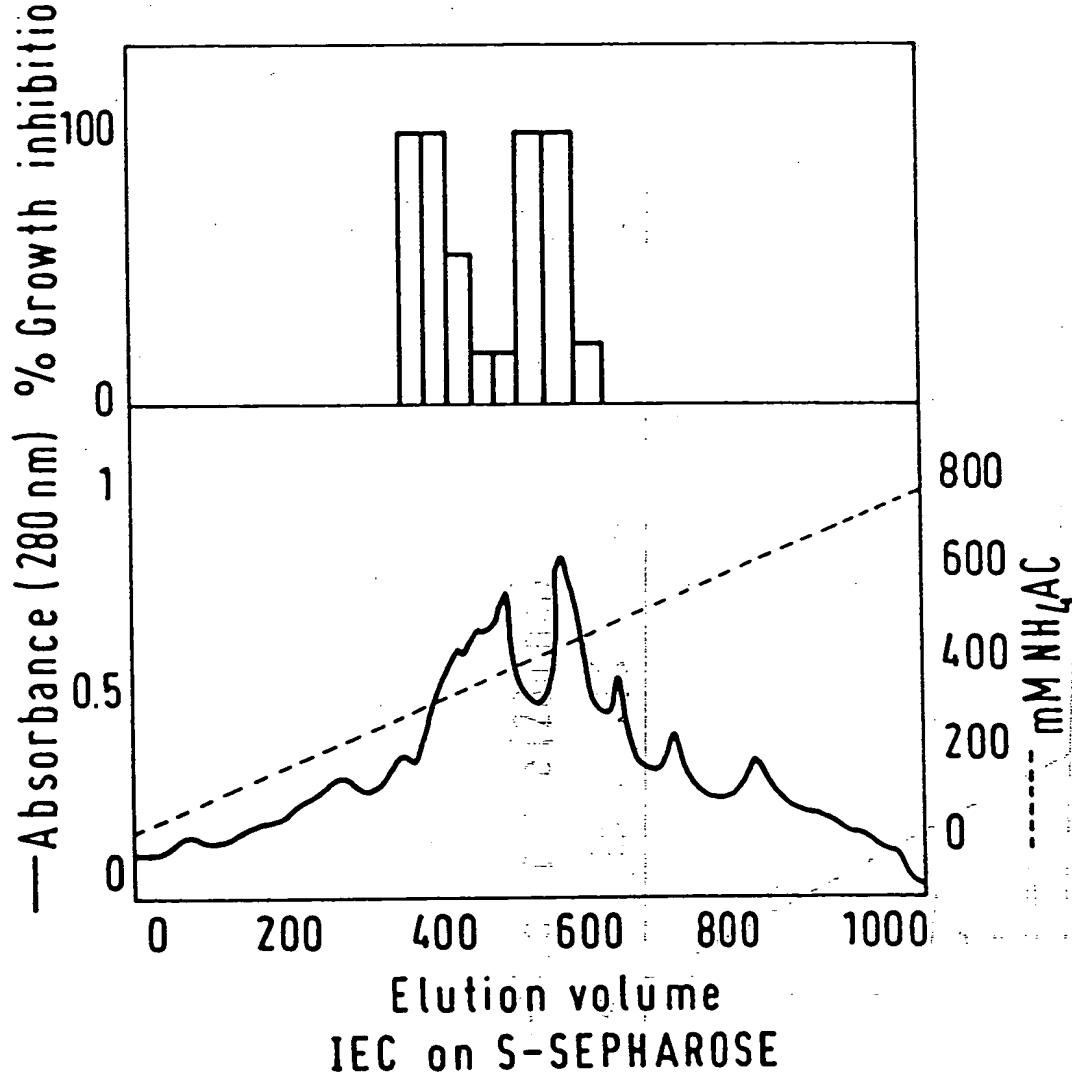


FIG. 20

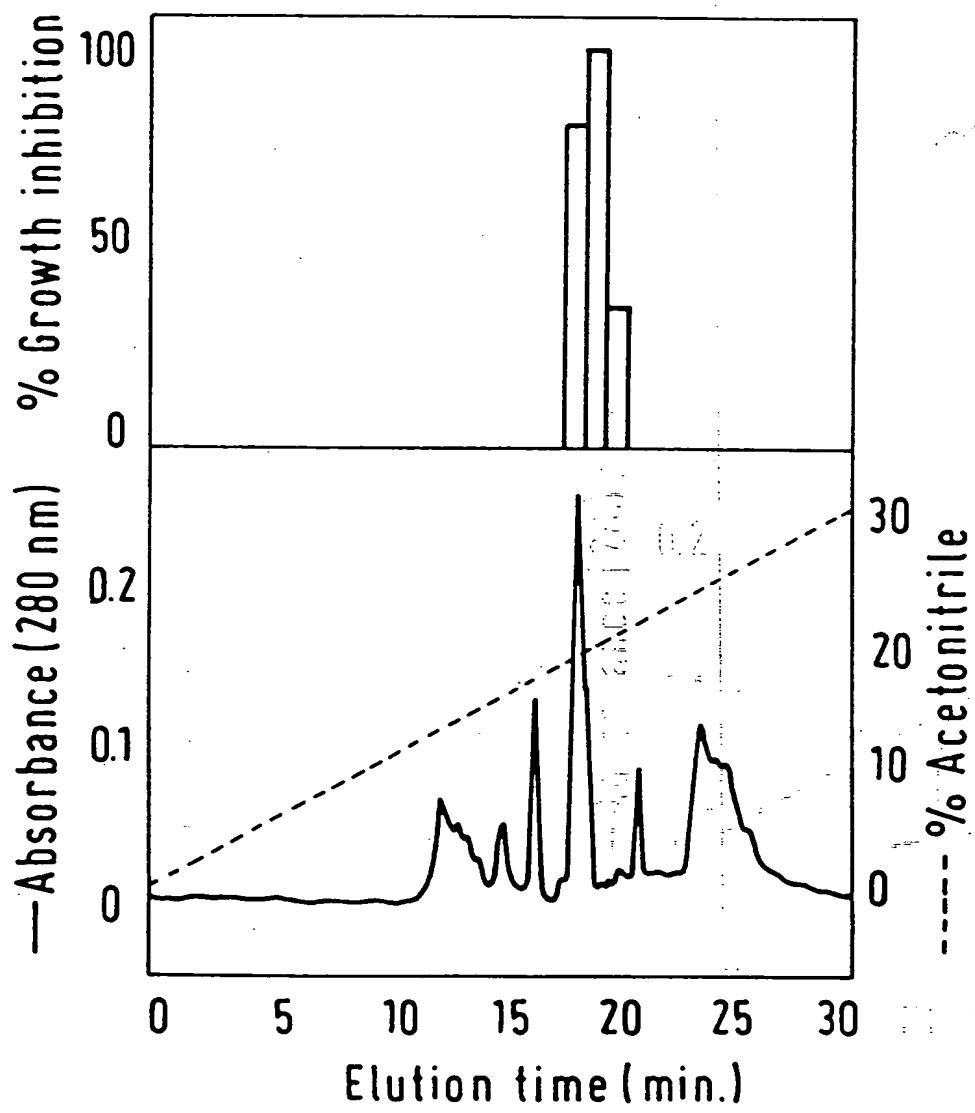


FIG. 21

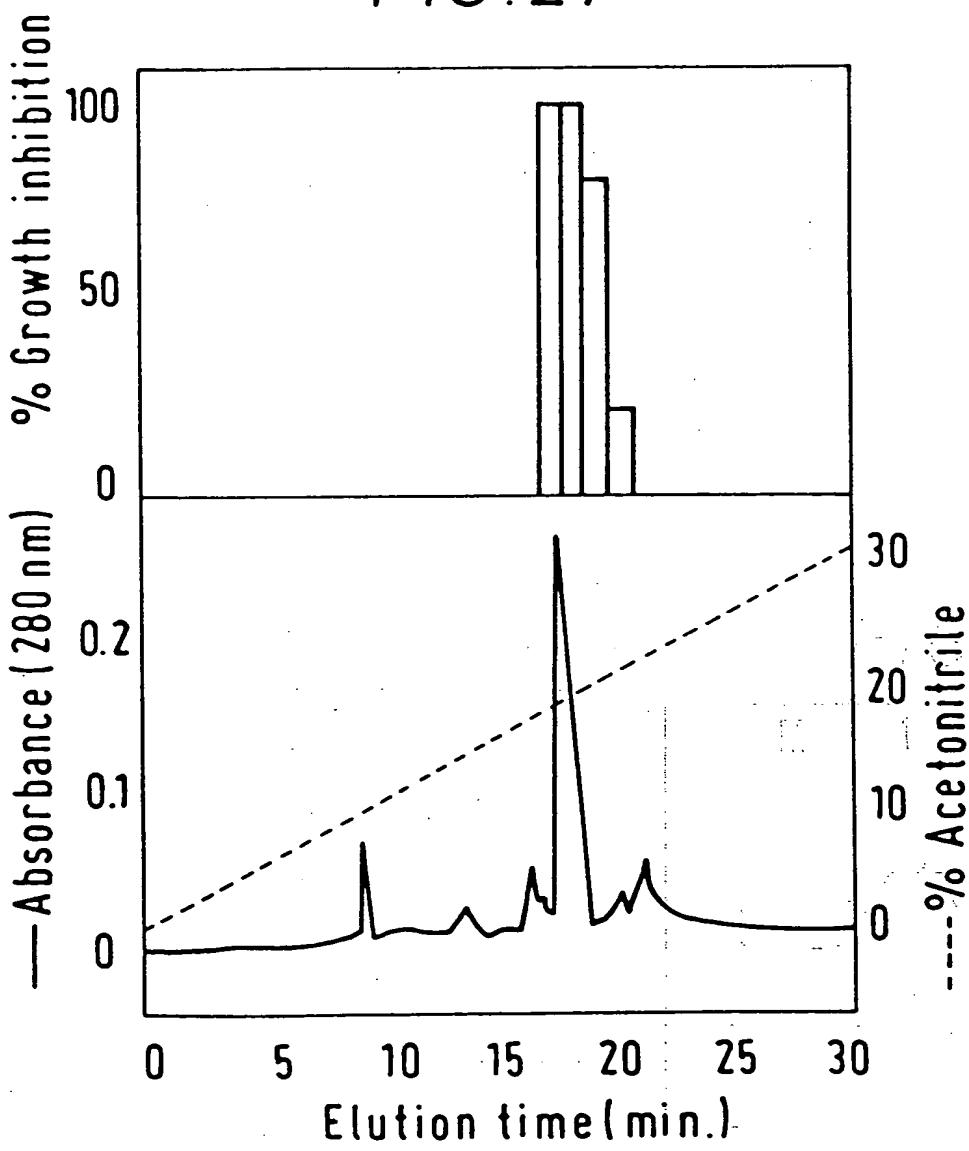


FIG. 22

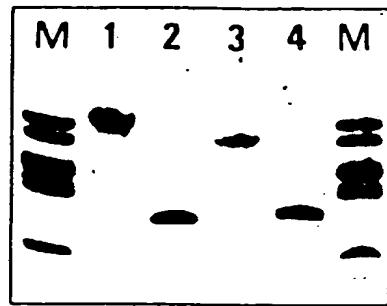
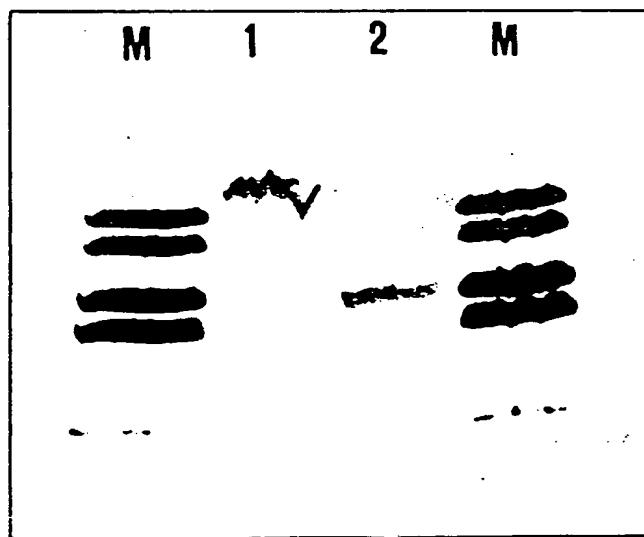


FIG. 23



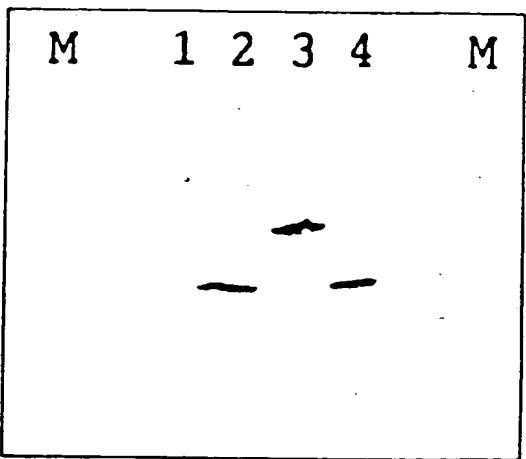


FIG. 24

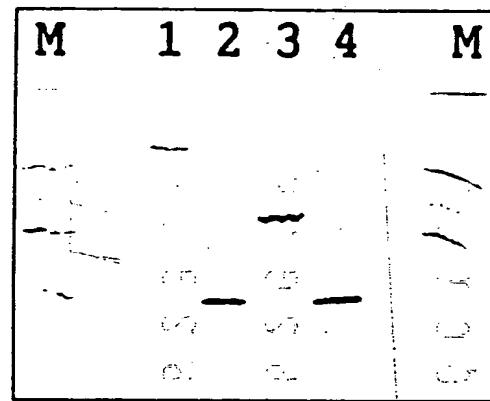


FIG. 25

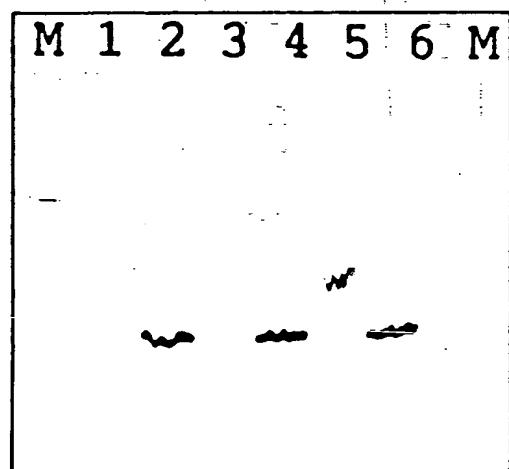


FIG. 26

FIG. 27

	N A C K N Q C I N L E K A R H G S C N Y V F P A H K	N A C K N Q C I R L E K A R H G S C
Rs-AFP1 (Q)	K L C E R P S G T W S G V C G N N	
Rs-AFP2 (Q)	K L C Q R P S G T W S G V C G N N	
Br-AFP1	• •	
Br-AFP2	• • • • • • • • ? • • • • • • • • • • • • • • • • • • R	
Bn-AFP1	• •	
Bn-AFP2	• •	
Sa-AFP1	• •	
Sa-AFP2	• • • • Q • R	
At-AFP1	• S	

FIG. 28

Dm-AMP1      E L C E K A S K T W S G N C G N T G H C D N

Dm-AMP2      E V C E K A S K T W S G N C G N T G H C

Cb-AMP1      E L C E K A S K T W S G N C G N T K H C D D

Cb-AMP2      E L C E K A S K T W S G N C G N T K H C D N

Q C K S W E G A A H G A C H V R N G K H M C F C Y F N C

Q C K S W E G A A H G A C H V R S G K H M C F C Y F N C

K C K S W E G A A H G A C H V R S G K H M C F C Y F N C

FIG. 29

LC-AFP   K T C E N L S G T F K G P C I P D G N C N K H C K N  
Ct-AMPI   N L C E R A S L T W T G N C G N T G H C D T Q C R N

N E H L L S G R C R D D F ? - - C W C T R N C  
W E S A K H G A C H K R G N W K C F C Y F D C

FIG. 30 (1/3)

	K	L	C	E	R	P	S	G	T	W	S	G	V	C	G	N	N	N	A
Rs-AMP1 (Q)																			
Dm-AMP1	E	L	C	E	K	A	S	K	T	W	S	G	N	C	G	N	T	G	H
Cb-AMP1	E	L	C	E	K	A	S	K	T	W	S	G	N	C	G	N	T	K	H
Cb-AMP2	E	L	C	E	K	A	S	K	T	W	S	G	N	C	G	N	T	K	H
Lc-AMP	K	T	C	E	N	L	S	G	T	F	K	G	P	C	I	P	D	G	N
Ct-AMP1	N	L	C	E	R	A	S	L	T	W	T	G	N	C	G	N	T	G	H
pI230	N	T	C	E	N	L	A	G	S	Y	K	G	V	C	F	G	G	-	-
pI39	N	T	C	E	H	L	A	D	T	Y	R	G	V	C	F	T	H	A	S
pSAS10	K	T	C	E	L	N	A	D	T	Y	R	G	P	C	F	T	T	G	S
pI322	R	H	C	E	S	L	S	H	R	F	K	G	P	C	T	R	D	S	N
SI $\alpha$ 2	R	V	C	M	G	K	S	A	G	F	K	G	L	C	H	R	D	Q	N
$\gamma$ 1pur	K	I	C	R	R	R	S	A	G	F	K	G	P	C	M	S	N	K	N

FIG. 30 (2/3)

K	N	Q	C	I	N	L	E	K	A	R	H	G	S	C	N	Y	V	F
D	N	Q	C	K	S	W	E	G	A	A	H	G	A	C	H	V	R	N
D	D	Q	C	K	S	W	E	G	A	A	H	G	A	C	H	V	R	N
D	N	K	C	K	S	W	E	G	A	A	H	G	A	C	H	V	R	S
N	K	H	C	K	N	N	E	H	L	L	S	G	R	C	R	D	D	F
D	T	Q	C	R	N	W	E	S	A	K	H	G	A	C	H	K	R	-
D	R	H	C	R	T	Q	E	G	A	I	S	G	R	C	R	D	D	F
D	D	H	C	K	N	K	A	H	L	I	S	G	T	C	H	-	D	W
D	D	H	C	K	N	K	E	H	L	L	S	G	R	C	R	-	D	D
A	S	V	C	E	T	-	E	R	F	S	G	G	N	C	H	-	G	F
A	Q	V	C	L	-	Q	E	G	W	G	G	G	N	C	D	G	V	M
A	Q	V	C	Q	-	Q	E	G	W	G	G	G	N	C	D	G	P	F

FIG. 30 (3/3)

P	A	H	K	C	I	C	Y	F	P	C	
G	K	H	M	C	F	C	Y	F	N	C	
G	K	H	M	C	F	C	Y	F	N	C	
G	K	H	M	C	F	C	Y	F	N	C	
- - -	-	-	-	?	C	W	C	T	R	N	C
G	N	W	K	C	F	C	Y	F	D	C	
- - -	-	-	R	C	W	C	T	K	N	C	
- - -	-	-	K	C	F	C	T	Q	N	C	
- - -	-	V	R	C	W	C	T	R	N	C	
-	R	R	R	C	F	C	T	K	P	C	
-	R	Q	C	K	C	I	R	Q	C	W	
- - -	R	R	C	K	C	I	R	Q	C		

*FIG. 31A (1/2)*

Dm-AMP1	GAG CTT TGC GAG AAG GCT TCT AAG ACT TGG TCT GGA AAC TGG GAG GGA GCT GCT CAT GGA GCT TGC CAT GTT AGA AAC
Dm-AMP2	GAG GTT TGC GAG AAG GCT TCT AAG ACT TGG TCT GGA AAC
Cb-AMP1	GAG CTT TGC GAG AAG GCT TCT AAG ACT TGG TCT GGA AAC TGG GAG GGA GCT GCT CAT GGA GCT TGC CAT GTT AGA AAC
Cb-AMP2	GAG CTT TGC GAG AAG GCT TCT AAG ACT TGG TCT GGA AAC TGG GAG GGA GCT GCT CAT GGA GCT TGC CAT GTT AGA AAC

FIG. 31A (2/2)

TGC GGA AAC ACT GGA CAT TGC GAT AAC CAA TGC AAG TCT

GGA AAG CAT ATG TGC TTC TGC TAC TTC AAC TGC

TGC GGA AAC ACT GGA CAT TGC ..... . . . . .

TGC GGA AAC ACT AAG CAT TGC GAT GAT CAA TGC AAG TCT

GGA AAG CAT ATG TGC TTC TGC TAC TTC AAC TGC

TGC GGA AAC ACT AAG CAT TGC GAT AAC AAG TGC AAG TCT

GGA AAG CAT ATG TGC TTC TGC TAC TTC AAC TGC

*FIG. 31B*

Lc-AMP1      AAG ACT TGC GAG AAC CTT TCT CGA ACT TTC AAG GCA CCA

AAC GAG CAT CTT CTT TCT CGA AGA TGC AGA GAT GAT TTC

Ct-AMP1      AAC CTT TGC GAG AGA GCT TCT CTT ACT TGG ACT GCA AAC

TGG GAG TCT GCT AAG CAT CGA GCT TGC CAT AAG AGA GGA

TGC ATT CCA GAT GGA AAC TGC AAC AAG CAT TGC AAG AAC

?? TGC TGG TGC ACT AGA AAC TGC

TGC GGA AAC ACT GGA CAT TGC GAT ACT CAA TGC AGA AAC

AAC TGG AAG TGC TTC TGC TAC TTC GAT TGC

FIG. 32

---

AL S C G T V N S N L A A C I G Y L T Q

Rs-nSLTP

N A P L A R G C C T G V T N L N N M A ? T T P

FIG. 33 (1/2)

A	L	S	C	G	T	V	N	S	N	L	A	A	C	I	G	Y	L	T	Q	
G	I	T	C	G	M	V	S	S	K	L	A	P	C	I	G	Y	L	K	G	
V	D	C	G	Q	V	N	S	S	S	L	A	S	C	I	P	F	L	T	G	
V	L	T	C	G	Q	V	T	G	A	L	A	P	C	L	G	Y	L	R	S	
A	L	N	C	G	Q	V	D	S	K	N	K	P	C	L	T	Y	V	Q	G	
A	A	I	S	C	G	Q	V	A	S	A	I	A	P	C	I	S	Y	A	R	G

Rs-nSLTP

So-nSLTP

Rc-nSLTP

Dc-nSLTP

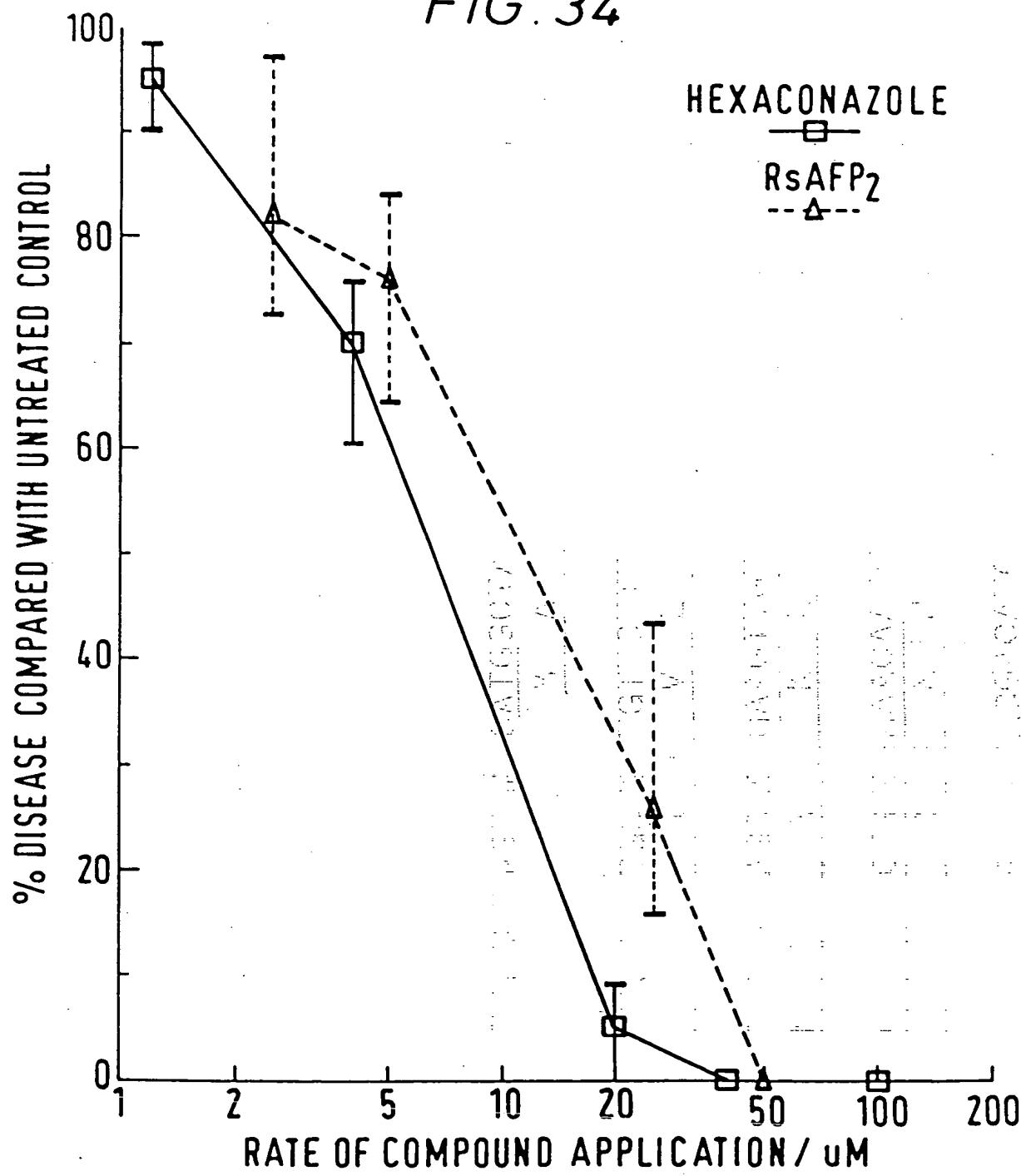
Hv-nSLTP

Zm-nSLTP

FIG. 33 (2/2)

N - A - - - P L A R G C C T G V T N L N N M A ? T T P  
G - - - - - P L G G G S S G G I K A L N A A A T T P . . .  
G V A S - - P S A S - C C A G V Q N L K T L A P T S A . . .  
Q V N V P V P L T - - C C N V V R G L N N A A R T T L . . .  
G P G - G - P S G L - C C N G V R D L H N Q A Q S S G . . .  
Q - G S G - P S A - G C C S G V R S L N N A A R T T A . . .

FIG. 34



卷之三

GTTTTATTAGT GATC ATGGCTAAGTTGCGTCCATCATCGCACTT  
M A K F A S I I A L

CTTTGCTCTTGTCTTGGCTTTTCGAAAGCACCAAC  
L F A A L V L F A A F E A E T

ATGGTGGAAAGCACAGAACAGAAGTTGTGCGAAAGGCCAAGTGGACATGG  
M V E A Q K L C E R P S G T W

TCAGGAGTCTGTGGAAACATAACGCATGCAAGAATCAGTGCATT  
 S G V C G N N N A C K N Q C I

TCTTTGGTGAATAGTTTATGTAATTACACAAAATAAGTCAGT  
TGCGAATGTTGAACTTAACTTAAACACATCTAACCACTTATAT

GTTGGTTATACAAATAAGTTTATTCACCCCCC 405

# FIG. 36

GGAAATAACGCATGCAAGAATCAGTGCATTGACTTGAGAAA 45  
G N N A C K N Q C I R L E K

GCACGACATGGGTCTTGCACATGTCCTCCAGCTCACAAAGTGT 90  
A R H G S C N Y V F P A H K C

ATCTGTTATTCCCTTGTTAATTCCATAAACTCTCGGGTTAA 135  
I C Y F P C \*

TAGTGTGCCATATTACATAATTATAAGTTTGTGTCACTATT 180

TATTAGTGACTTTTATGACATGTGCCAGGTATGTTATGTTGGTT 225

GGTTGTAATAAAAAAGTTCACGGATAATAAGATGATAAGCTCA 270

CGTCGCCAAAAAA 284

FIG. 37 (1/2)

CCCCGGCTGCAG

GAATTGGCGCCGC  
10 |  
20 |  
30 |  
40 |  
50 |  
60 |  
GTTTATTAGTATCATGGCTAAGTTCGGTCCATCATCGCACTTCTTGTGCTGCTCTT  
M A K F A S I I A L L F A A L  
  
70 |  
80 |  
90 |  
100 |  
110 |  
120 |  
GTTCTTTGCTGCTTTCGAAGCACCAATTGGTGGAAAGCACAGAAAGTGTGCCAAAGG  
V L F A A F E A P T M V E A Q K L C Q R

FIG. 37 (2/2)

130		140		150		160		170		180	
C	C	A	G	T	C	A	G	A	A	G	T
C	A	A	G	T	C	A	G	A	A	G	T
P	S	G	T	W	S	G	V	C	G	N	N
190		200		210		220		230		240	
A	G	A	C	T	G	A	C	T	C	C	A
G	A	T	G	A	C	A	T	G	T	C	A
R	L	E	K	A	R	H	G	S	C	N	Y
250		260									
T	G	C	T	A	C	T	T	C	T	G	T
C	Y	F	P	C	-	-	-	-	-	-	-

FIG. 38

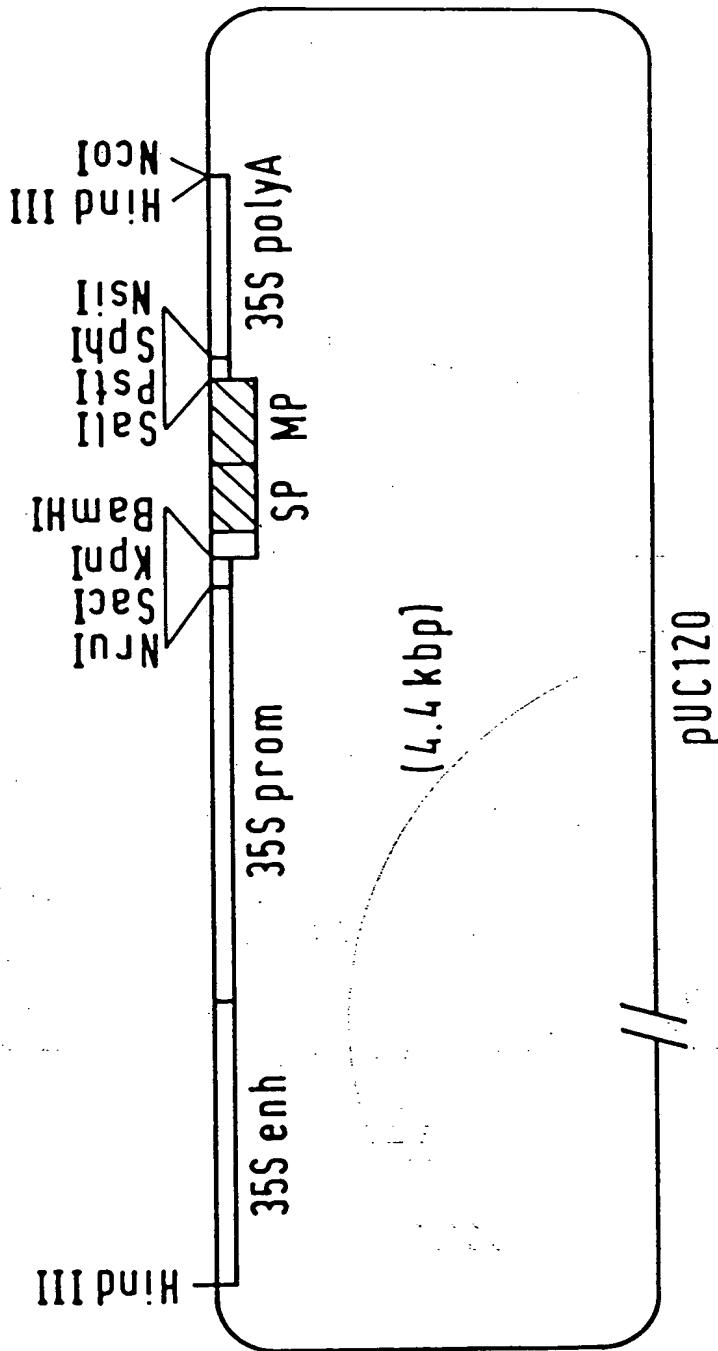


FIG. 39

